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INFORMATION DISCLOSURE STATEMENT BY ARBUGANT

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Sheet 1 of 1

	Complete if Known
Application Number	10/607,709 10/667, 709
Filing Date	September 22, 2003
First Named Inventor	Yasuo Inohana et al.
Group Art Unit	1742
Examiner Name	5. To
Attorney Docket Number	03-591

			U.S. PATENT DOCUM	MENTS	
Examiner	Cito	U.S. Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of	Pages, Columns, Lines, Where Relevant
Initials *	Cite No.1	Number Kind Code ² (if known)	of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
65		3,403,997	Badia	10-01-1968	
		4,749,548	Akutsu et al.	06-07-1988	
		4,373,970	Scorey et al.	02-15-1983	
		4,075,392	Jaeger	02-21-1978	
CE		4,732,625	Livak	03-22-1988	
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			FOREI	GN PATENT DOCU	IMENTS		
Examiner Cite No.1	Fore	eign Patent Document	Name of Patentee	Date of Publication of	Pages, Columns, Lines,		
	Office ³	Number ⁴ Kind Code ⁵ (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T ₆	
(2		JP	04013825	Ueno Hirochika	01-17-1992		
3		JP	11323463	Henmi Yoshio	11-26-1999		
B		EP	0 872 564	Suzuki et al.	10-21-1998		
3		WIPO	WO 00/29632	Breedis et al.	05-25-2000		
Pw		EP	0 411 882	Takagi et al.	02-06-1991		
12	G	B坡	2 066 849	Ruddeck et al.	07-15-1981		
R		BUK	1,122,490	Koch et al.	08-07-1968		
B		EP	0 995 808	Mori et al.	04-26-2000		
		1			1		

Examiner Signature	5.58	Date Considered	1965	

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Sheet 1 of 1

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Application Number	10/667,709						
Filing Date	8 18/03						
First Named Inventor	Yasuo Inohana et al.						
Group Art Unit	1742						
Examiner Name	5.30						
Attorney Docket Number	03-591						

					U.S. PATENT DOCU	MENTS	
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Examiner thitials *	Cite No.'	Number	Number Kind Code ² (if known)	of Cited Document	Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
							
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				FOREIG	N PATENT DOCU	MENTS		
Examiner Cite No.1	For	eign Patent Doc	ument	Name of Patentee	Date of Publication of	Pages, Columns, Lines,		
	Office ³	Number ⁴	Kind Code ⁵ (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Te	
1		JP	63-35761			02-16-1988	· · ·	
12		JP	61-130478			06-18-1986		
(2		JP	2002- 275563			09-25-2002		
(2		JP	2001- 294957			10-26-2001		
12		JP	2001- 303159			10-31-2001		·
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	Substitute for	form 1449B/	PTO		Complete if Known
	INFORMATIO	ON DISCLO	SURE	Application Number	Unassigned 10/667,709
	STATEMENT	BY APPLI	CANT	Filing Date	AUG 1 8 2003
	Data	Culturalities of c		First Nam d Inventor	Kazuhiro YAMADA
	Date	Submitted: D	UG 1 8 2003	Group Art Unit	Unassigned 1742
	(use as many s	heets as ne	cessary)	Examiner Name	Unassigned S.Te
Sheet	1	of	1	Attorney Docket Number	040302-0338

				U.S. PATENT DOCUMENTS		
	U.S. Patent Document		ocument	Name of Patentee or Applicant of Cited Document	Date of Publication of	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Examiner Cite No.1	Number	Kind Code ² (if known)	Cited Document MM-DD-YYYY			
			1			

Examiner Initials*	Cite No.1	Foreign Patent Document			Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	
		Office	e ³ Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Documents	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T ⁶
12	A1	JP	2000-149970	Α	MATSUSHITA ELECTRIC INC. CO., LTD.	05/30/2000		Abstract
								<u> </u>

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ°
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